

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. H-1327
API Well No. 47-085 5587
State County Perm

WELL TYPE: Oil XX / Gas XX /
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow XX /)

LOCATION: Elevation: 1102' Watershed: Elm Run
District: Grant County: Ritchie Quadrangle: Cairo 7 1/2'

WELL OPERATOR Haught, Inc.
Address Rt. 3, Box 14
Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught
Address Rt. 3, Box 14
Smithville, WV 26178

OIL & GAS ROYALTY OWNER Harry E. Moats
Address 210 E. Main St.
Harrisville, WV 26362

COAL OPERATOR None
Address: _____

ACREAGE 14
SURFACE OWNER West Virginia Pulp & Paper
Address #2 Ferguson Drive
Parkersburg, WV 26101
ACREAGE 14

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
APR 28 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

FIELD SALE (IF MADE) TO:
Name Cabot Corporation
Address P.O. Box 1473
Charleston, WV 25274

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Deo Mace
Address Rt. 1, Box 5
Sandridge, WV 25325

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease XX / other contract ___ / dated March 16, 1978, to the undersigned well operator from Harry & Irene Moats

[If said deed, lease, or other contract has been recorded:]

Recorded on March 23, 1978, in the office of the Clerk of the County Commission of Ritchie County, West Virginia, in Lease Book 125 at page 17. A permit is requested as follows:

PROPOSED WORK: Drill XX / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

04/26/2024

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

Haught, Inc.
Well Operator

BLANKET BOND

Warren R. Haught

Its President

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Haight, Inc.
Address Rt. 3, Box 14
Smithville, WV 26178

GEOLOGICAL TARGET FORMATION, Shale

Estimated depth of completed well, 5000' feet Rotary / Cable tools /

Approximate water strata depths: Fresh, feet; salt, feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No

CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|-------|---------------|-----|-------------------|--------------|--------------------------------------|-------------------|
| | Size | Grade | Weight per ft | New | Used | For drilling | | |
| Conductor | | | | | | | | Kinds |
| Fresh water | 8-5/8 | J-55 | 20# | X | | 2000' | 2000' | Cement to Surface |
| Coal | | | | | | | | Sizes |
| Intermediate | | | | | | | | |
| Production | 4 1/2' | K-55 | 10.5# | X | | | 5000' | 500 Sacks |
| Tubing | | | | | | | | Depths set |
| Liners | | | | | | | | Perforations: |
| | | | | | | | | Top Bottom |

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling **THIS PERMIT SHALL EXPIRE**
IF OPERATIONS HAVE NOT COMMENCED BY 12-30-82
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

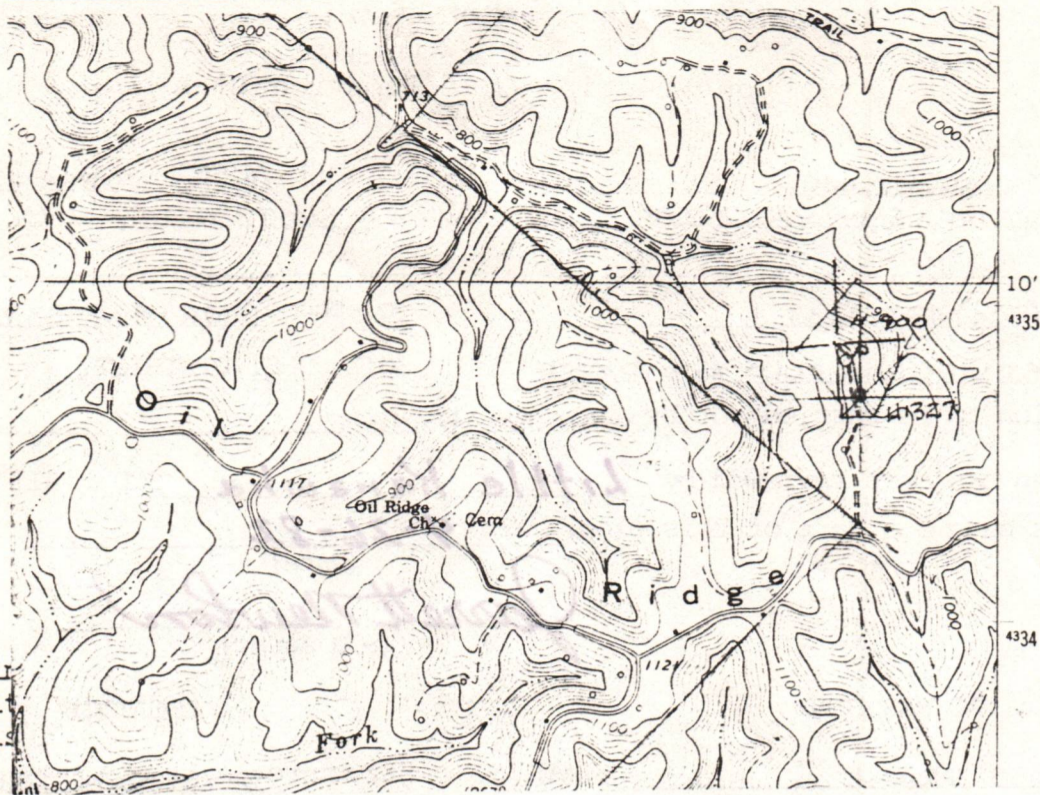
The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

04/26/2024

Date: , 19
By
Its

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE CAIRO

LEGEND
WELL SITE ⊕ ACCESS ROAD —

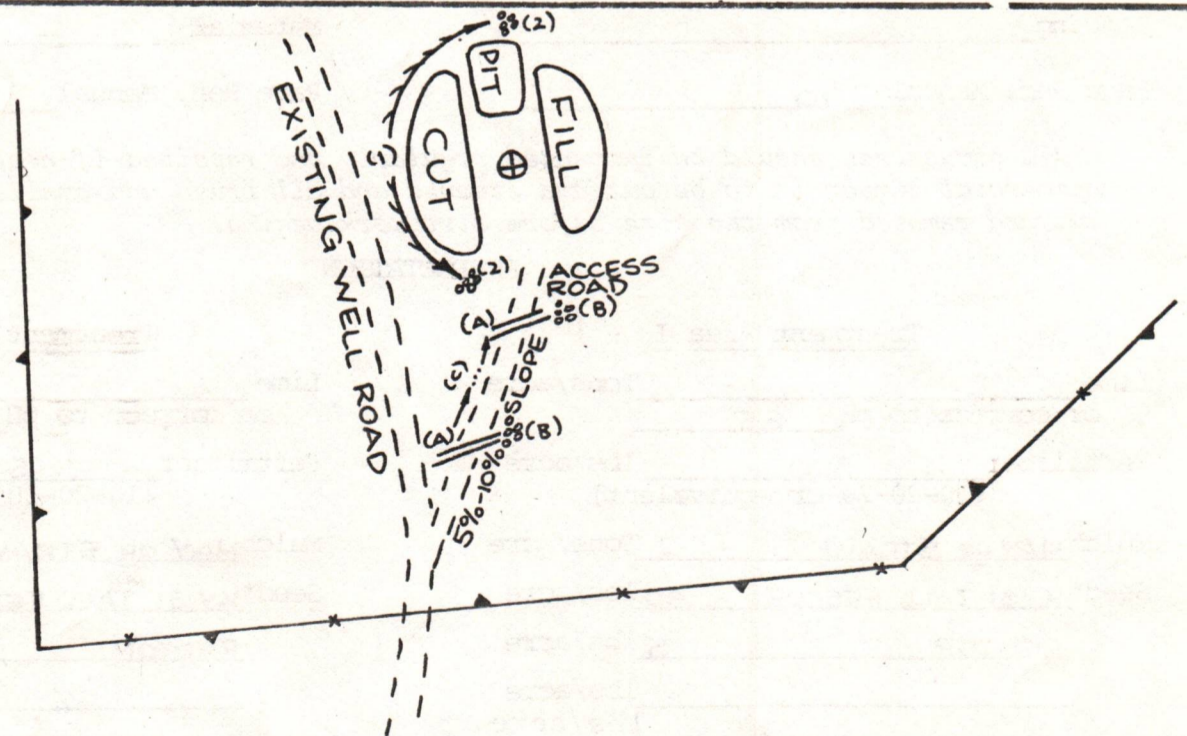


Sketch to illustrate drilling pit part of this

ucted, well... with the first

LEGEND

| | | | |
|-------------------|--|------------|--|
| Property boundary | | Diversion | |
| Road | | Spring | |
| Existing fence | | Wet spot | |
| Planned fence | | Building | |
| Stream | | Drain pipe | |
| Open ditch | | Waterway | |



- Comments:
1. LENGTH OF ACCESS ROAD 150'.
 2. BRUSH AND TREES TO BE PILED AT SITE.
 3. _____
 4. _____
 5. _____

04/26/2024



IV-9
(Rev 8-81)

DATE 21 APRIL, 1982

WELL NO. 4-1327

State of West Virginia API NO. 47 - 085 - 5587

Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

COMPANY NAME HAUGHT, INC.
ADDRESS SMITHVILLE, W.VA. 26178

DESIGNATED AGENT WARREN HAUGHT
ADDRESS SMITHVILLE, W.VA. 26178

Telephone (304) 477-3333

Telephone (304) 477-3333

LANDOWNER WEST VIRGINIA PULP AND PAPER

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by WARREN HAUGHT (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 4-26-82

(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CROSS DRAIN

(A)

Structure DIVERSION DITCH

(1)

Spacing 45' TO 400' (AS NEEDED)

Material SOIL

Page Ref. Manual 2:4

Page Ref. Manual 2:10

RECEIVED

Structure RIP-RAP (STONE-LOGS)

(B)

Structure RIP-RAP

(2)

APR 28 1982

Spacing SAME AS CROSS DRAIN

Material ROCK-LOGS

Page Ref. Manual N/A

Page Ref. Manual N/A

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Structure DRAINAGE DITCH

(C)

Structure _____

(3)

Spacing _____

Material _____

Page Ref. Manual 2:10

Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch HAY OR STRAW 2 Tons/acre

Mulch HAY OR STRAW 2 Tons/acre

Seed* KY 31 TALL FESCUE 40 lbs/acre

Seed* KY 31 TALL FESCUE 40 lbs/acre

REDTOP 5 lbs/acre

REDTOP 5 lbs/acre

lbs/acre

lbs/acre

lbs/acre

lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

04/26/2024

PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S.

ADDRESS 112 NORTH SPRING STREET

HARRISVILLE, W.VA. 26362

PHONE NO. (304) 643-4572

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

TAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Nitrogen fraced by B.J. Hughes----- 1st Stage- Open hole 615,000 Vol.

L LOG

| FORMATION | Color | Hard, or Soft | Top Feet | Bottom Feet | Remarks Including indication of all fresh and salt water, coal, oil and gas |
|-----------|-------|---------------|----------|-------------|--|
| Shale | Gray | Soft | 0 | 50 | |
| Sand | White | Hard | 50 | 57 | |
| R.R. | Red | Soft | 57 | 72 | |
| Slate | Gray | Soft | 72 | 78 | |
| R.R. | Red | Soft | 78 | 84 | |
| Shale | Gray | Soft | 84 | 102 | |
| R.R. | Red | Soft | 102 | 124 | |
| Sand | White | Hard | 124 | 127 | |
| Shale | Gray | Soft | 127 | 202 | |
| R.R. | Red | Soft | 202 | 227 | |
| Shale | Gray | Soft | 227 | 419 | |
| Sand | White | Hard | 419 | 433 | |
| R.R. | Red | Soft | 433 | 458 | |
| Shale | Gray | Soft | 458 | 556 | |
| Sand | White | Hard | 556 | 580 | |
| Shale | Gray | Soft | 580 | 595 | |
| R.R. | Red | Soft | 595 | 605 | |
| Sand | White | Hard | 605 | 630 | |
| Shale | Gray | Soft | 630 | 655 | |
| Sand | White | Hard | 670 | 680 | |
| Shale | Gray | Soft | 680 | 700 | |
| Sand | White | Hard | 700 | 710 | |
| R.R. | Red | Soft | 710 | 740 | |
| Shale | Gray | Soft | 740 | 760 | |
| Sand | White | Hard | 760 | 775 | |
| Shale | Gray | Soft | 775 | 790 | |
| R.R. | Red | Soft | 790 | 820 | |
| Shale | Gray | Soft | 820 | 870 | |
| R.R. | Red | Soft | 870 | 910 | |
| Shale | Gray | Soft | 910 | 920 | |
| R.R. | Red | Soft | 920 | 934 | |
| Sand | White | Hard | 934 | 958 | |
| Shale | Gray | Soft | 958 | 1238 | |
| Sand | White | Hard | 1238 | 1259 | |
| Shale | Gray | Soft | 1259 | 1406 | |
| Sand | White | Hard | 1406 | 1425 | |
| Shale | Gray | Soft | 1425 | 1535 | |
| Sand | White | Hard | 1535 | 1620 | |
| S & S | Gray | Soft | 1620 | 1637 | |
| Shale | Gray | Soft | 1637 | 1683 | |
| Sand | White | Hard | 1683 | 1689 | |
| Shale | Gray | Soft | 1689 | 1712 | |
| Lime | White | Hard | 1712 | 1730 | |
| Shale | Gray | Soft | 1730 | 1925 | |
| Sand | White | Hard | 1925 | 1930 | |
| Lime | White | Hard | 1930 | 2070 | |
| Sand | White | Hard | 2070 | 2092 | |
| Shale | Gray | Soft | 2092 | 2206 | |
| Sand | White | Hard | 2206 | 2218 | |
| Shale | Gray | Soft | 2218 | 2445 | |
| Sand | White | Hard | 2445 | 2469 | |
| Shale | Gray | Soft | 2469 | 2647 | |
| Sand | White | Hard | 2647 | 2678 | |
| Shale | Gray | Soft | 2678 | 2809 | |
| Sand | White | Hard | 2809 | 2823 | |
| Shale | Gray | Soft | 2823 | 3017 | |
| Sand | White | Hard | 3017 | 3028 | |
| Shale | Gray | Soft | 3028 | 3153 | |

04/26/2024

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed, official record of all formations, ..."

Well Operator

By

Its

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow X)

LOCATION: Elevation: 1102' Watershed: Elm Run
District: Grant County: Ritchie Quadrangle: Cairo, WV

WELL OPERATOR Haight, Inc. DESIGNATED AGENT Warren R. Haight
Address Rt. 3, Box 14 Address Rt. 3, Box 14
Smithville, WV 26178 Smithville, WV 26178

PERMITTED WORK: Drill X / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify)

PERMIT ISSUED ON April 28, 19 82 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Deo Mace
Address Rt. 1, Box 5
 , 19 Sandridge, WV 25325

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth 4336-4570 feet
Depth of completed well, 4570 feet Rotary X / Cable Tools
Water strata depth: Fresh, feet; salt, feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced May 5, 19 82, and completed May 12, 19 82

CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|-------|---------------|-----|------|-------------------|--------------|--------------------------------------|---------------|
| | Size | Grade | Weight per ft | New | Used | For drilling | Left in well | | |
| Conductor | | | | | | | | | Kinds |
| Fresh water | 8 5/8 | K-55 | 20# | x | | 1203' | 1203' | 98 sacks | |
| Coal | | | | | | | | | Sizes |
| Intermediate | | | | | | | | | |
| Production | 4 1/2 | J-55 | 10.5# | x | | | 4245' | 97 sacks | Depth set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: |
| | | | | | | | | | Top Bottom |

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JUL 6 - 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 4336-4570 feet
Gas: Initial open flow, Mcf/d Oil: Initial open flow, Bbl/d
Final open flow, 230 Mcf/d Final open flow, 15 Bbl/d
Time of open flow between initial and final tests, 24 hours
Static rock pressure, 340 psig (surface measurement) after 24 hours

04/26/2024

[If applicable due to multiple completion--]

Second producing formation Pay zone depth feet
Gas: Initial open flow, Mcf/d Oil: Initial open flow, Bbl/d
Final open flow, Mcf/d Final open flow, Bbl/d
Time of open flow between initial and final tests, hours
Static rock pressure, psig (surface measurement) after hours

| <u>FORMATION</u> | <u>COLOR</u> | <u>HARD OR SOFT</u> | <u>TOP FT</u> | <u>BOTTOM FT.</u> |
|------------------|--------------|---------------------|---------------|-------------------|
| Sand | White | Hard | 3153 | 3180 |
| Shale | Gray | Soft | 3180 | 3296 |
| Sand | White | Hard | 3296 | 3319 |
| Shale | Gray | Soft | 3319 | 3441 |
| Sand | White | Hard | 3441 | 3454 |
| Shale | Gray | Soft | 3454 | 3607 |
| Sand | White | Hard | 3607 | 3622 |
| Shale | Gray | Soft | 3622 | 3741 |
| Sand | White | Hard | 3741 | 3772 |
| Shale | Gray | Soft | 3772 | 3916 |
| Sand | White | Hard | 3916 | 3931 |
| Shale | Gray | Soft | 3931 | 4066 |
| Sand | White | Hard | 4066 | 4083 |
| Shale | Gray | Soft | 4083 | 4223 |
| Sand | White | Hard | 4223 | 4235 |
| Shale | Gray | Soft | 4235 | 4315 |
| Sand | White | Hard | 4315 | 4336 |
| Shale | Gray | Soft | 4336 | 4570 |

04/26/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

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MAY 18 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-3587

Oil or Gas Well _____
(KIND)

Company Haight

Address _____

Farm MOATS

Well No. 1327

District GRANT County RIT

Drilling commenced _____

Drilling completed T.O. 5-10-82 Total depth 4570

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | | | Size of |
| 8 1/4 | | | |
| 6 5/8 | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED 8 5/8 SIZE 1198 No. FT. _____ Date 5-7-82

NAME OF SERVICE COMPANY Haight

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: _____

5-10-82

DATE

W. L. Mace

04/26/2024

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

Permit No. 085 5587 County Ritchie
 Company Haught Farm 20975
 Inspector JERRY M. TEPHABOCK Well No. 1327
 Date 92683

| RULE | DESCRIPTION | IN COMPLIANCE | |
|-------|---|---------------|-------|
| | | Yes | No |
| 23.06 | Notification Prior to starting Work | _____ | _____ |
| 25.04 | Prepared before Drilling to prevent waste | _____ | _____ |
| 25.03 | High-Pressure Drilling | _____ | _____ |
| 16.01 | Required Permits at wellsite | _____ | _____ |
| 15.03 | Adequate Fresh Water Casing | _____ | _____ |
| 15.02 | Adequate Coal Casing | _____ | _____ |
| 15.01 | Adequate Production Casing | _____ | _____ |
| 15.04 | Adequate Cement Strength | _____ | _____ |
| 23.02 | Maintained Access Roads | _____ | _____ |
| 25.01 | Necessary Equipment to prevent Waste | _____ | _____ |
| 23.03 | Reclaimed Drilling Site | _____ | _____ |
| 23.04 | Reclaimed Drilling Pits | ✓ | _____ |
| 23.05 | No surface or underground Pollution | ✓ | _____ |
| 7.03 | Identification Markings | ✓ | _____ |

COMMENTS: _____

Release

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Jerry M. Tephabock
 DATE: 92683 04/26/2024



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

October 14, 1983

Haught, Inc.
4424 Emerson Avenue
Parkersburg, W. Va. 26104

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

| <u>PERMIT NUMBER</u> | <u>FARM AND WELL NUMBER</u> | <u>DISTRICT</u> |
|----------------------|----------------------------------|-----------------|
| RIT-4861 | Ronald Warner, #H-1016 | Union |
| RIT-4969-REN. | Clemmie Ingram Heirs, #H-938 | Grant |
| RIT-4984 | Edwin Lee Deem, #H-1129 | Union |
| RIT-5489 | John & Lucy F. Sims, #H-1304 | Murphy |
| RIT-5587 | W. Va. Pulp & Paper, #H-1327 | Grant |
| RIT-5663 | G. Y. Rexroad Heirs, #H-705 | Murphy |
| RIT-5789 | Westvaco, #H-1343 | Grant |
| RIT-5792 | Donald Harold Lowther, #H-1347 | Grant |
| RIT-6087 | G. Y. Rexroad, Heirs, #H-695 | Murphy |
| RIT-6089 | Claude B. Rexroad, #H-1357 | Grant |
| RIT-6115 | James D. Law, et al, #H-1368 | Union |
| RIT-6225 | Maxine Moats/Westvaco, #H-1377 | Grant |
| RIT-6318 | Clyde & Claude Swadley, #H-988 | Murphy |
| RIT-6333 | D.N.Furbee & H. Sweeney, #H-1382 | Grant |
| RIT-6338 | Sue W. Davis, #H-1398 | Grant |
| RIT-6351 | Eleanor V. Raiguel, #H-1400 | Murphy |

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit, Administrator

04/26/2024

RECEIVED
JUL 06 1982

47-085-5537

2.0 Type of determination being sought
(Use the codes found on the front
of this form.)

107
Section of NGPA

OIL & GAS DIVISION
DEPT. OF MINES

3.0 Depth of the deepest completion
location: (Only needed if sections 103
or 107 in 2.0 above.)

1102' feet

4.0 Name, address and code number of
applicant: (35 letters per line
maximum. If code number not
available, leave blank.)

Haight, Inc.
Name
Warren R. Haight, Agent
Street
Smithville, WV 26178
City State Zip Code

5.0 Location of this well: [Complete (a)
or (b).]
(a) For onshore wells
(35 letters maximum for field
name.)

Grant District
Field Name
Ritchie WV
County State

(b) For OCS wells:

N/A
Area Name Block Number
Date of Lease:
Mo. Day Yr. OCS Lease Number

(c) Name and identification number
of this well: (35 letters and digits
maximum.)

Harry Moats H-1327

(d) If code 4 or 5 in 2.0 above, name
of the reservoir: (35 letters
maximum.)

Devonian Shale

6.0 (a) Name and code number of the
purchaser: (35 letters and digits
maximum. If code number not
available, leave blank.)

Cabot Corporation
Name Buyer Code

(b) Date of the contract:

0, 3, 2, 6, 8, 2 RF1-527
Mo. Day Yr.

(c) Estimated annual production:

19 MMcf.

| (a) Base Price (\$/MMBTU) | (b) Tax | (c) All Other Prices [Indicate (+) or (-).] | (d) Total of (a), (b) and (c) |
|------------------------------|---------|---|----------------------------------|
|------------------------------|---------|---|----------------------------------|

7.0 Contract price:
(As of filing date. Complete to 3
decimal places.)

DEREGULATED

8.0 Maximum lawful rate:
(As of filing date. Complete to 3
decimal places.)

DEREGULATED

9.0 Person responsible for this application:

| |
|--|
| Agency Use Only |
| Date Received by Juris. Agency JUL 6 1982 |
| Date Received by FERC |

Warren R. Haight Agent & Co-Owner
Name Title
Signature
July 2, 1982 470-3333
Date Application is Completed Phone Number

FT900S06/2 2

04/26/2024

PARTICIPANTS:

DATE: DEC 22 1982

BUYER-SELLER CODE

WELL OPERATOR: Haught, Inc.

FIRST PURCHASER: Cabot Corp.

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
920706 -107-085-5587
 Use Above File Number on all Communications
 Relating to Determination of this Well

~~US PONS AFFIDAVIT~~
approval

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 20+8.0 Deregulated
- 2. IV-1 Agent Warren R. Haught
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
- 7. IV-39 Annual Production years
- 8. IV-40 90 day Production Days off line:
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 5-5-82 Date completed 5-12-82 Deepened
- (5) Production ^{Formation} Depth: Devonian Shale
- (5) Production ^{Depth} Formation: 4336 - 4570
- (5) Final Open Flow: 230 MCF
- (5) After Frac. R. P. 340# 24hr.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report _____
- (5) Oil Production: From Completion Report
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

04/26/2024

7B

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. H-1327

API Well No.
47 - 085 - 5587
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

DESIGNATED AGENT Warren R. Haught
ADDRESS Smithville, WV 26178

LOCATION Elevation 1102'
Watershed Elm Run

WELL OPERATOR Haught, Inc.
ADDRESS Rt. 3, Box 14
Smithville, WV 26178

Dist. Grant County Ritchie Quad. Cairo, WV

Gas Purchase
Contract No. RF1-527

GAS PURCHASER
ADDRESS

Meter Chart Code

Date of Contract March 26, 1982

* * * * *

Date surface drilling began: 5-5-82

Indicate the bottom hole pressure of the well and explain how this was calculated.

| | |
|---|----------------------------|
| Pws = Pwh e $\frac{(.01875)(SG)(D)}{Z T}$ | Bottom Hole Pressure = 364 |
| Pws = Static Bottom Hole Pressure | Pwh = 340 |
| Pwh = Wellhead Pressure | SG = .68 |
| SG = Specific Gravity | D = 4453 |
| D = Depth to center of Perforations | Z = .92 |
| Z = Average Compressibility factor | T = 965 |
| T = Average Temperature (oR) | |

AFFIDAVIT

I, Warren R. Haught, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Warren R. Haught

STATE OF WEST VIRGINIA

COUNTY OF Ritchie, TO-WIT:

I, Lenna G. Haught, a Notary Public in and for the state and county aforesaid, do certify that Warren R. Haught, whose name is signed to the writing above, bearing date the 2nd day of July, 1982, has acknowledged the same before me, in my county aforesaid.

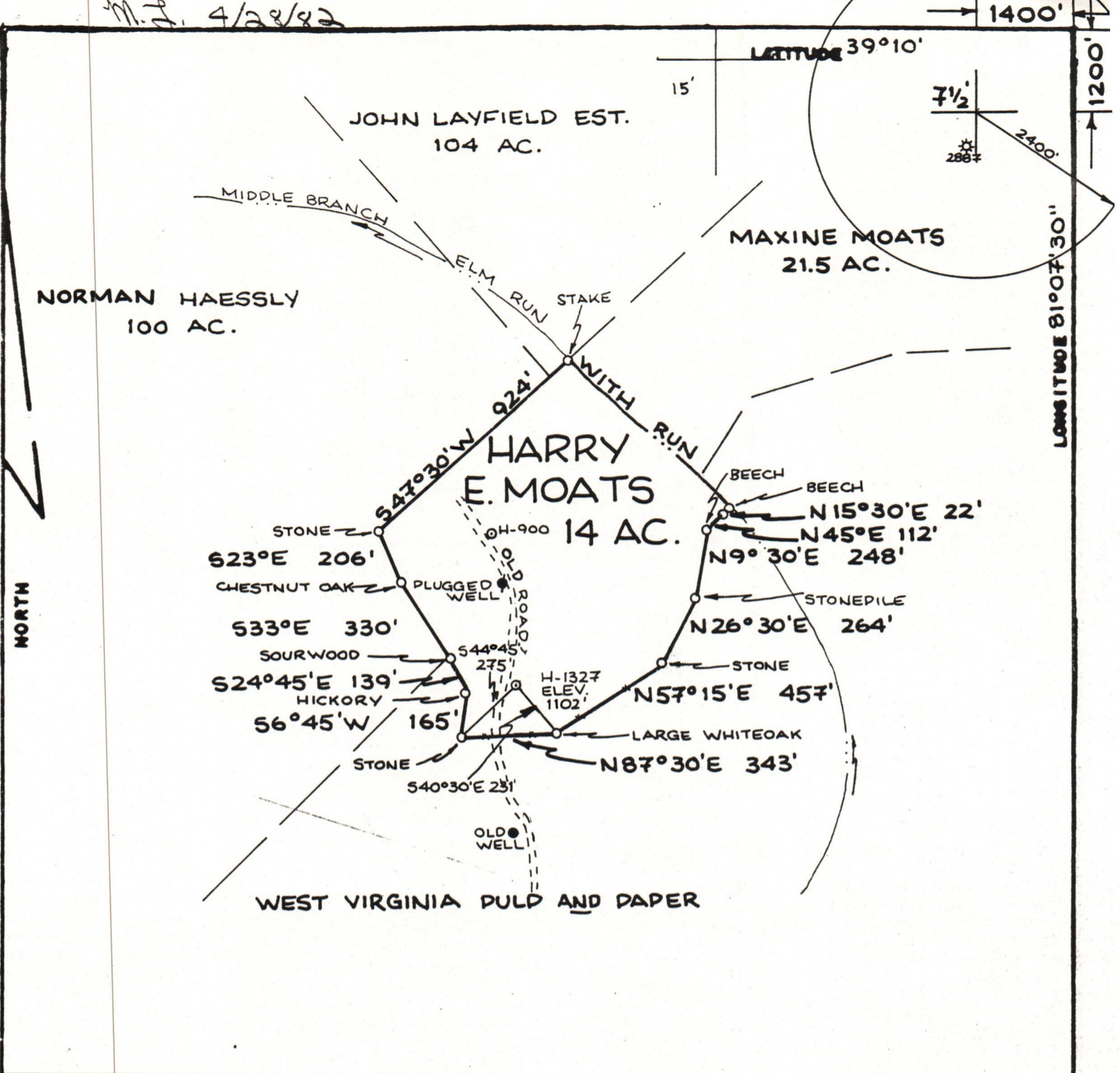
04/26/2024

Given under my hand and official seal this 2nd day of July, 1982.
My term of office expires on the 18th day of May, 1986.

(NOTARIAL SEAL)

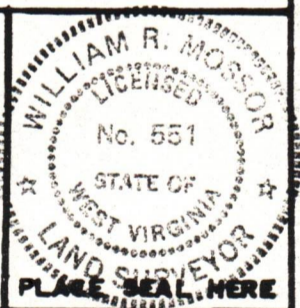
Lenna G. Haught
Notary Public

M.J. 4/28/82



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION RD. ELEV. 1121'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) *William R. Mossor*
 R.P.E. _____ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE 22 APRIL, 19 82
 OPERATOR'S WELL NO H-1327
 API WELL NO. 47-085-5587
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW)
 LOCATION: ELEVATION 1102' WATER SHED ELM RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE CAIRO 7 1/2' QUAD.
 SURFACE OWNER WEST VIRGINIA PULP AND PAPER ACREAGE 14 04/26/2024
 OIL & GAS ROYALTY OWNER HARRY E. MOATS LEASE ACREAGE 14
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR HAUGHT, INC. DESIGNATED AGENT WARREN HAUGHT
 ADDRESS SMITHVILLE, W. VA. 26178 ADDRESS SMITHVILLE, W. VA. 26178